

Attach Patient Label

Total Urinary Nitrogen (TNI) Quality Improvement Study Worksheet (for ICU, SPS, and Chemistry team)

ICU Instruction:

1. TNI is ordered normally (24 hour urine, UTNIT).
2. Please empty collection bag and discard prior to collection. Attach patient label to this worksheet.
3. **Sample 1:** Record the beginning collection time below. Collect all urine for the next 12 hours, record the end collection time. Attach patient and "**Sample 1**" labels on the urine container. Transfer urine from the bag to the labeled container. Refrigerate sample 1 until both 12 hour collection periods are complete.
4. **Sample 2:** Record the beginning and end collection time. Attach patient label and "**Sample 2**" label on the urine container. Transfer urine from the bag to the labeled container.
5. Send **BOTH requisition and this worksheet** with **Sample 1 and Sample 2** to the lab.
6. **Sample 3:** Record the beginning and end collection time. Attach a patient label and "**Sample 3**" label on the urine container. Transfer urine from the bag to the labeled container. Send **sample 3 and this**

	Collection Period (Time & Date)		Collect by	Volume (mL) (SPS record)
	begin	End		
Example	05:10, 10/28	17:05, 10/28	RN Amy, Lai	750
Sample 1 (First 12hr urine)				
Sample 2 (Second 12hr urine)				
Sample 3 (Third 12hr urine)				

worksheet to the lab (DO NOT send the requisition for sample 3)

SPS team:

1. **DO NOT MIX BOTTLES BEFORE MAKING ALIQUOTS!**
2. Log in as **ONE 24 hour collection** (ONE accession number) for sample 1 and sample 2.
3. Measure and write down the volume for **EACH collection** in the worksheet.
4. Login total volume collected for 24 hour urine collection (sum of Sample 1 & 2)
5. Aliquot 10 mL urine from Sample 1 to Tube 1. Write "**Sample 1**" on the label.
6. Aliquot 10 mL urine from Sample 2 to Tube 2. Write "**Sample 2**" on the label.
7. Combine two containers into one container, MIX. Aliquot 10 mL from combined urine to the other tube. Write "**COMBINED**" on the label.
8. Put "**Sample 1**", "**Sample 2**", and "**Combined**" aliquots to SPS fridge for storage until the run. Take this worksheet to Chemistry bench.

*** Please contact Chem fellow Joyce Liao @ 206-540-555 or liao6@uw.edu if you have any questions. Thanks.

9. When you get **Sample 3 ONLY**, measure and write down the volume for "**Sample 3**". Aliquot 10 mL urine from Sample 3 to Tube 3. Write "**Sample 3**" on the label. Put "Sample 3" aliquot to SPS fridge for storage until the run. Take this worksheet to Chemistry bench.

Chemistry team:

1. Measure total urine nitrogen from **sample 1** (first 12 hour urine), **sample 2** (second 12 hour urine), **Combined** (combined 24 hour urine), and **sample 3** (third 12 hour urine).
2. Write down total urine nitrogen values from sample 1, sample 2, combined, and sample 3 on the worksheet, keep all the data and worksheets for Joyce
3. Report total urine nitrogen from combined urine (24 hour urine).

	Total urine nitrogen (ng/L)
Sample 1 (First 12 hour urine)	
Sample 2 (Second 12 hour urine)	
Combined (24 hour urine, report it)	
Sample 3 (Third 12 hour urine)	